

February 10, 1958

Dr. Esmond E. Snell
Department of Biochemistry
University of California
Berkeley 4, California

Dear Es:

Thank you for your note of the 31st. We'll have to have another trial at the B₆ replacement.

Hemophilus influenzae, which is important because of its application in transformation experiments, is turning out to have a rather simpler nutrition than parainfluenzae. We haven't worked it out to the last detail yet, but it looks as if it will require nothing more than hemin, biotin, pantothenate and two or three amino acids. Our particular strain has given the classical response to DPN only rather irradically. There is no sign of a requirement for putrescine or uracil.

We may, of course, have a very unusual strain. The picture has been somewhat blurred by amino acid antagonisms.

I would like to ask you the favor of sending the particular strain of parainfluenzae that you and Hirst have used, if you happen to have it at hand. If nothing else, a diversity of Hemophilus strains with different nutrition may be of great use to us as a source of genetic markers.

With all best regards,

Yours sincerely,

Joshua Lederberg
Professor of Medical Genetics

JL/ew

Dr. E. E. Snell